

Summary Table of March 16 and April 6 2020 LATS System Sampling - I537M Manual SPE Method Compounds

Date Sampled				16-Mar-20					6-Apr-20				
Area of Site				Landfill			Field QA	Lab QA	Landfill			Field QA	Lab QA
PARAMETER	FSP-Related	MCP-Related	Unit	LF-IN	LF-EFF	Dupe-01	FRB	MB	LF-IN	LF-EFF	Dupe-01	FRB	MB
Perfluorobutanesulfonic acid (PFBS)	x		ppt	0.27 J	0.29 J	0.32 J	1.7 U	2 U	0.28 J	1.8 U	0.23 J	1.9 U	2.0 U
Perfluorooctanesulfonic acid (PFOS)	x	x	ppt	1.9 I	1.5 J I	1.5 J I	1.7 U	2.0 U	1.6 J I	0.83 J	1.8 I	1.9 U	2.0 U
Perfluorooctanoic acid (PFOA)	x	x	ppt	2.9	2.6	2.6	1.7 U	2.0 U	2.2	1.8 U	2.3	1.9 U	2.0 U
Perfluorodecanoic acid (PFDA)		x	ppt	1.7 U	1.7 U	1.8 U	1.7 U	2 U	1.8 U	1.8 U	1.8 U	1.9 U	2.0 U
Perfluoroheptanoic acid (PFHpA)	x		ppt	0.89 J	0.93 J	1.1 J	1.7 U	2 U	0.87 J	1.8 U	0.82 J	1.9 U	2.0 U
Perfluorohexanesulfonic acid (PFHxS)	x		ppt	0.87 J B	1 J B	1.1 J B	0.19 J B	0.273 J	1.3 J B	0.29 J B	1.2 J B	0.27 J B	0.291 J
Perfluorononanoic acid (PFNA)	x		ppt	1.7 U	1.7 U	0.3 J	1.7 U	2 U	1.8 U	1.8 U	1.8 U	1.9 U	2.0 U
Sum of PFOA and PFOS			ppt	4.8	4.1	4.1	1.7 U	2.0 U	3.8	0.83	4.1	1.9 U	2.0 U
PFBS only			ppt	0.27 J	0.29 J	0.32 J	1.7 U	2 U	0.28 J	1.8 U	0.23 J	1.9 U	2.0 U
Sum of MCP Method 1 GW-1 Groundwater Standard for PFAS			ppt	6.56	6.03	6.60	0.19	0.273	5.97	1.12	6.12	0.27	0.291
Additional Method 537M PFAS Compounds:													
6:2 FTS			ng/L	17 U	17 U	18 U	17 U	20 U	18 U	18 U	18 U	19 U	20 U
Perfluorobutanoic acid (PFBA)			ng/L	1.9	1.7	1.7 J	1.7 U	2 U	2.1 J	0.67 J B	2.1 J	0.36 J B	0.513 J
Perfluorohexanoic acid (PFHxA)			ng/L	1.3 J	1.2 J	1.3 J	1.7 U	2 U	1.0 J	1.8 U	1.1 J	1.9 U	2.0 U
Perfluorooctanesulfonamide (FOSA)			ng/L	1.5 J B	0.36 J B	0.39 J B	0.32 J B	0.389 J	0.64 J B	1.4 J B	0.75 J B	0.39 J B	0.595 J
Perfluoropentanesulfonic acid (PFPeS)			ng/L	1.7 U	1.7 U	1.8 U	1.7 U	2.0 U	0.41 J I	1.8 U	1.8 U	1.9 U	2.0 U
Perfluoropentanoic acid (PFPeA)			ng/L	1.2 J	1.1 J	1.3 J	1.7 U	2.0 U	1.2 J	1.8 U	1.0 J	1.9 U	2.0 U
4:2 FTS			ng/L	17 U	17 U	18 U	17 U	20 U	18 U	18 U	18 U	19 U	20 U
8:2 FTS			ng/L	17 U	17 U	18 U	17 U	20 U	18 U	18 U	18 U	19 U	20 U
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			ng/L	17 U	17 U	18 U	17 U	20 U	18 U	18 U	18 U	19 U	20 U
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)			ng/L	17 U	17 U	18 U	17 U	20 U	18 U	18 U	18 U	19 U	20 U
Perfluorodecanesulfonic acid (PFDS)			ng/L	1.7 U	1.7 U	1.8 U	1.7 U	2 U	1.8 U	1.8 U	1.8 U	1.9 U	2.0 U
Perfluorododecanoic acid (PFDoA)			ng/L	1.7 U	1.7 U	1.8 U	1.7 U	2 U	1.8 U	1.8 U	1.8 U	1.9 U	2.0 U
Perfluoroheptanesulfonic Acid (PFHpS)			ng/L	1.7 U	1.7 U	1.8 U	1.7 U	2 U	1.8 U	1.8 U	1.8 U	1.9 U	2.0 U
Perfluorononanesulfonic acid (PFNS)			ng/L	1.7 U	1.7 U	1.8 U	1.7 U	2 U	1.8 U	1.8 U	1.8 U	1.9 U	2.0 U
Perfluorotetradecanoic acid (PFTeA)			ng/L	1.7 U	1.7 U	1.8 U	1.7 U	2.0 U	1.8 U	1.8 U	1.8 U	1.9 U	2.0 U
Perfluorotridecanoic acid (PFTriA)			ng/L	1.7 U	1.7 U	1.8 U	1.7 U	2.0 U	1.8 U	1.8 U	1.8 U	1.9 U	2.0 U
Perfluoroundecanoic acid (PFUnA)			ng/L	1.7 U	1.7 U	1.8 U	1.7 U	2.0 U	1.8 U	1.8 U	1.8 U	1.9 U	2.0 U

FSP=Field Sampling Plan

MCP=Massachusetts Contingency Plan

B= Compound found in the blank and the sample

I=Estimated maximum concentration

J= Result is less than the Reporting Limit (RL) but greater than the Method Detection Limit (MDL) and the concentration is approximate

U= compound not detected above the specified level